

KORROLOCK - EPOXY BUSH LOCKING COMPOUND

PRODUCT INFORMATION

	<u>Stock No.</u>	<u>Package Size</u>
	TBC	3kg Kit
Description	Korrolock is a three-component epoxy based system for bush locking designed to replace molten metal. Formulated to provide excellent thermal conductivity to optimise heat transfer when in service.	
Features	<ul style="list-style-type: none">• High compressive strength• 100% Solids, minimal shrinkage• Easy to mix and pour• Excellent heat dissipation properties	

PRODUCT DATA

Typical Physical Properties	Colour	Dark Grey
	Density (g/cm ³)	1.89
	Viscosity (cps @ 20°C)	18,000
	Pot life (minutes @ 20°C)	50 - 60
	Cure time (hours @ 20°C)	16
	Mixing Ratio (by weight)	2.7 Resin : 1 Hardener : 5.5 Filler
	Mixing Ratio (by volume)	2.3 Resin : 1 Hardener : 2.3 Filler
	Curing shrinkage (%)	0.001
	Compressive Strength (MPa) ISO 604	>120 (17,400Psi)

APPLICATION INFORMATION

Application	It is recommended that the two liquid components of Korrolock are brought to an optimum working temperature of circa 20° C by placing it in a warm room, or similar, 24 hours prior to use. At lower temperatures the material will be more viscous and hence difficult to mix and pour. At temperatures above 30° C the pot life of the product will be reduced. At temperatures below 5°C and above 40°C casting should not be carried out.
Mixing	Korrolock is supplied as three components in a 3Kg kit. They are pre-weighed to remove any potential for issues regarding ratio. As such these kits should only be completely mixed and not be broken down. A suitable mixing device is required, e.g. a suitable drill with mixer such as a jiffy type. Add Filler to Resin and mix until homogenous, then add Hardener and mix thoroughly until uniform, this may take 1 – 3 minutes. It is essential that the steps mentioned are followed correctly as off ratio product and poor mixing will affect the curing and ultimate physical properties of the material.
Cleaning of tools	Any tools used in the mixing and application of Korrolock should be cleaned in MEK or similar immediately after use as Korrolock is difficult to remove once cured.
Shelf life & Storage	A shelf life of 3 years from date of manufacture can be expected for this product when stored at room temperature (~22°C) in its original containers.
Precaution	For complete safety and handling information, please refer to the appropriate Material Safety Data Sheets prior to using this product.
Warranty	ITW Korroflex will replace any material found to be defective. As the storage, handling and application of this material is beyond our control we can accept no liability for the results obtained.
Disclaimer	All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Korroflex makes no representations or warranties of any kind concerning this data. For product information visit www.korroflex.com alternatively for technical assistance please call +353 61 771 500 (Ireland)